

## ABSTRACT

The invention relates to an apparatus for monitoring a measurement transmitter (2) of a field device (1) determining and/or monitoring a physical and/or chemical process parameter, wherein at least one sensor (8) is provided inside the housing (11), in which the transmitter (2) is arranged, which sensor determines the temperature and relative humidity in the housing (11) over a period of time in predetermined intervals, and wherein a control-/evaluation-unit (7) is provided, which, on the basis of the measured temperature and relative humidity, determines the absolute humidity and/or the dewpoint in the housing (11) of the transmitter (2), and issues an alarm when the absolute humidity and/or the dewpoint in the housing (11) of the transmitter (2) reaches a critical value.

(Fig. 1)